



Central Dakota Gem and Mineral Society
Mrs. Blossomae Campbell, Editor
1134 North 28th Street
Bismarck, North Dakota 58501

DIGGINS FROM DAKOTA

CENTRAL DAKOTA GEM & MINERAL SOCIETY

- AIM:
1. The study of Mineralogy and Geology.
 2. To foster field trips to collect minerals, gems and fossils.
 3. The improvement of its members in the art of cutting, polishing and mounting gem material.
 4. To provide opportunity for the exchange, purchase and exhibition of specimens and material.

The Central Dakota Gem and Mineral Society is affiliated with:
The Rocky Mountain Federation of Mineralogical Societies
The American Federation of Mineralogical Societies

MEETINGS: First Sunday of each month in the Hospitality Room of Capital Electric Co-op Building on Highway 83 north of Bismarck. Meeting time is 7:30 P. M.

VISITORS ARE ALWAYS WELCOME.

OFFICERS:

President.....	John Dosch.....	1425 N. 15th St., Bismarck.....	255-1924
Vice-President.....	Earle Campbell.....	1134 N. 28th St., Bismarck.....	255-3658
Secretary.....	Stanley Fairaizl.....	205 6th Ave. NW, Mandan.....	663-9712
Treasurer.....	William Buresh.....	1527 N. 19th St., Bismarck.....	223-0611
Program Chairman.....	DeLane Meier.....	516½ Gary Ave., Bismarck.....	223-8579
Field Trip Chairman...	Ronnie Stelter.....	Wilton.....	734-6483
Librarian.....	Ewald Muggli.....	Glen Ullin.....	348-3897
Nominations.....	Vernie Peterson.....	615 N. 12th St., Bismarck.....	223-9179
Refreshments.....	Mrs. Albert Anderson..	RR. #2, Bismarck.....	673-4585
Annual Show.....	Gordon Bell.....	515 N. 22nd St., Bismarck.....	223-5146
Historian.....	Mrs. Ted Giese.....	New Salem.....	843-7005
Official Greeter.....	Dick Bergantine.....	703 12th Ave. NW, Mandan.....	663-3419
Editor.....	Mrs. Earle Campbell..	1134 N. 28th St., Bismarck.....	255-3658
Pebble Pup Leader.....	Harold Brady.....	1401 Sunny Rd., Mandan.....	663-3904

All contributions should be mailed to the editor, Mrs. Earle Campbell, 1134 N. 28th Bismarck. Please have them in by the tenth of each month.

Other editors may reprint any article from this Bulletin. A credit line would be appreciated.

EDITORIAL

In the space of three weeks, Earle and I attended three shows - Williston Rock & Gem Show, Williston, North Dakota, Nebraska Association of Earth Science Clubs, Inc. Gem & Mineral Show, North Platte, Nebraska, and the 1973 South Dakota Gem & Mineral Show at Aberdeen, South Dakota. Each show was outstanding. The attendance at the Williston show could be called international because many Canadians come down especially to see the show. The North Platte show was hosted by a club with only forty members.

After attending these fine shows and seeing what others are doing, the thought struck my mind, Why can't we have a North Dakota State Gem & Mineral Show? I know that there are only five or six clubs in the state but there are many rockhounds who do not belong to clubs because the clubs are so many miles away. We personally know rockhounds in Kenmare, Rugby, Dickinson, Hebron - to name just a few towns.

It would take a lot of hard work, or as Winston Churchill so aptly put it, "Blood, sweat, and tears". But it would be worth it to meet others in our state who share our interest in earth science. It should be held in one of the population centers - Fargo, Grand Forks, Jamestown, Minot, Bismarck, etc. so that there would be adequate facilities for those coming from out of town.

How about it folks, are you interested? If so, write and let me know what you think of the idea. The address is 1134 North 28th, Bismarck, N. D. 58501.

Blossomae Campbell
Editor

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THIS 'n THAT

Change of address

Walter Weisenberger.....1620½ Porter Ave.....Bismarck

Ole Stavem won a free weekend at the Holiday Inn in Bismarck when they had an Open House recently. Nice going, Ole!

Charles Mandigo and Mrs. Earle Campbell have offered to help Girl Scouts with their Rock Collecting. Mrs. Mandigo will help teach them knitting.

The Buresh' seem to have run into some bad times. First, Gen was laid up with the "bug" that seems to be going around. Now Bill is a patient in St. Alexius Hospital, having undergone surgery last week. I know he would enjoy receiving cards from you. Bill is enjoying the flowers our organization sent him.

Among those attending the Williston Show were Ted and Verna Giese, Sally and Owen O'Neill, Ewald and Clara Muggli and children, Emil and Bonnie Hilken, Harold and Emma Brady and daughter, Pat, Blossomae and Earle Campbell.

Frank and Art Herr, Dickinson, had a booth at the Williston Show. It is always a treat to converse with these two rockhounds.

Joe and Marlys Duchene attended the South Dakota Gem & Mineral Show at Aberdeen.

October Meeting

Nick Franke was the guest speaker at the October meeting. He gave a very interesting talk on tools that prehistoric man used and made. Mr. Franke also showed slides to illustrate his speech.

Adolph Giovonni, Menoken, was a guest at the meeting.

Gen Buresh and Bea Merrill will be hostesses at the November meeting.

Katherine Muggli won the door prize which was brought by Vernie Peterson.

Commissions from sales at our two shows were \$45.65 from the Bismarck show and \$5.35 from Mandan show.

Please add this name to your membership roster:

Nick Franke.....2124 East Divide, Bismarck.....255-3581

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CAMPGROUNDS?????

Plans have been announced for the construction of a 20-story campground in downtown New Orleans. Developers said that people don't want the woodsy bit now, that they want to camp in comfort near the city.

Plans call for eight lower floors of parking and 12 upper stories, with 240 individual campsites equipped with utility hookups for campers and carpeted with artificial turf. ALMANAC wonders if they will dispense spray cans of fresh air and play recordings of singing birds and frogs?

From Missouri Conservationist
vis SEIS Club News

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THIS 'n THAT

Our roving rockhound, Harold Woodcock, has returned from Thailand. After a few weeks on this side of the blue Pacific, he will return to the Far East and spend the next 18 months on Okinawa.

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WHAT DOES SAFETY MEAN TO YOU????

- S - is for Safety. Be on the safe side, let Care be your motto and Caution your guide.
- A - is for Accident which you may meet if you are not careful at work or on the street. (or rockhunting)
- F - is for Foolish, and foolish is he who thinks not of safety when safe he should be.
- E - is for Ears as well as for Eyes; protect them both if you are wise.
- T - is for Trouble when carelessness brings. When you are careful, danger takes wings.
- Y - is for You, folks, who sometimes forget. Be careful and you will have naught to regret.

Tulip City Conglomerate

SILENT AUCTION! SILENT AUCTION! SILENT AUCTION! SILENT AUCTION! SILENT AUCTION!

BRING YOUR GOOD SPECIMENS AND YOUR MONEY BAG!!!!

For on Sunday, November 4, at the Capitol Electric Co-op we will have a Silent Auction!!!!

RULES FOR THE SILENT AUCTION:

Each specimen at the sale will be marked with the owner's name, identity of the rock and where found. The rocks will be placed on tables with a Silent Auction form in front of each specimen. At a given signal, the bidder writes his name and the amount he will pay for that particular rock. NO BIDDING IS ALLOWED UNTIL THE SIGNAL IS GIVEN. Bids must be increased by twenty-five cents each time. Bidding must stop when the second signal is given. If you put your name down after the signal, your bid will be disqualified

and the name above yours will get the specimen. Each successful bidder must bring the auction slip and specimen to the cashier and pay for same.

If your specimen is very good and you want to set a minimum price, please mark the form accordingly.

Ten percent of each sale will be put into the club treasury.

SILENT AUCTION! SILENT AUCTION! SILENT AUCTION! SILENT AUCTION! SILENT AUCTION!

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FLINT vs. CHERT

There isn't any real difference. Flint may be thought of as denser, smoother, and sharper than chert. Or as merely a dark variety of chert. The word FLINT is nearly 1,000 years older than CHERT, but the two substances are virtually identical. Think of flint as gray or black, siliceous material for artifacts, typically occurring as nodules. Think of chert as white nodules, typically in limestone.

By Richard W. Pearl, Earth Science Mag. May-June, 1973
via SEIS Club News

KANSAS, HERE WE COME!

It was bright and early when Earle and I left Bismarck on Saturday, September 29. I don't know how bright I was at that hour but it was 5:30 a.m. when we hit the road for North Platte, Nebraska. We arrived shortly after noon, in plenty of time to see the Nebraska Association of Earth Science Clubs, Inc. Gem and Mineral Show. Although hosted by a club of only 40 members, the show was outstanding. There were a variety of exhibits (we estimated about one hundred). One thing that pleased me was the number and variety of junior, or pebble pups, exhibits. Special feature of the show that was well worth viewing was "Crystal City" by J. J. Muchna, of Phoenix, Arizona. I am sure many of you have read about and seen pictures of Crystal City in Lapidary Journal. It was a breathtaking collection of faceted crystal. Another special feature of the show that we enjoyed was "Petrified Wood Collages" by Harvey and Howard Kenfield, of Ogallala, Nebraska.

I was a little disappointed that there was not a swap table but Earle soon remedied that by starting a conversation with a Mr. Tweedie of California who was also looking for one. So in the dark of night, in the rain, with the aid of a flashlight and car headlights, we swapped petrified wood for colemanite crystals and slabs of California jasper.

Sunday we were on our way to Great Bend, Kansas, to visit my brother and sister-in-law, Roy and Alice Peters. There had been a lot of rain in this area. We noticed rivers running bank full. Construction on roads, dams, bridges had been halted by the high water and wet condition. We passed many haystacks that were sending up columns of smoke due to spontaneous combustion caused by the rain.

In Kansas we saw many fences with limestone fence posts. In the early days of farming, wood was a scarce item so the farmers did as farmers have been doing for ages. They used the best they had and made do. We also saw a house or two, barns and sheds constructed of the same material. I would have liked to bring a limestone fence post home with me but Earle put his foot down and said "NO!" After all, there is just so much room in my little Duster.

In Great Bend one evening, Alice invited a young geology student and his wife, Mark and Martha Figgins over. Mark brought his Dana along. We spent an entertaining and educational evening looking at and discussing rocks and minerals. Another evening Earle and I visited Betty and Bob Wallace. Betty is editor of the "Rock Hound Scoop" which is the bulletin for the Golden Belt Gem & Mineral Society. Besides discussing club bulletins, we also did some rock swapping - Montana agate, petrified wood and North Dakota roses for jade, septaria, and selenite roses.

From Great Bend we headed for Hutchinson, Kansas. Ordinarily we would have driven southeast across country from Great Bend to Hutchinson, but not this time. Many of the roads were flooded so we headed east and then south to enter Hutchinson through the "back door". Once there, we visited Earle's mother. She was both surprised and pleased to see us. She was healthier than we had seen her in a long time. We visited the Carey Salt Plant and were disappointed when we found that they no longer conduct tours into the mine. It is now used to store government documents. While at the plant, I was given several hunks of rock salt for my mineral collection. We visited with Wilma and Clarence Eales, of Hutchinson, and Betty and Bud Riley, South Hutchinson. At both places we did more swapping. By now that little Duster was getting pretty loaded - good thing I didn't get that fence post!

On Friday, October 5, we headed north, after telling friends and relatives goodbye. We made a brief detour at Minneapolis, Kansas, to see the famed "Rock City". Only a couple of days before, the road had been under six feet of water but by the time we got there it was passable. Rock City is a conglomeration of round limestone rocks, some as high as twelve feet in diameter, standing on the Kansas prairie. It was easy to see that many tourists had sought out this phenomenon because all the rocks had names and initials engraved on them and there were many broken places where some dim-wit had chipped off a piece for a souvenir.

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Heading north once more, we stopped at Mitchell, South Dakota, to see the Corn Palace. That place is fantastic, indescribable! You will just have to see it for yourself!

Our last stop before heading for home was the 1973 South Dakota Gem & Mineral Show at Aberdeen, South Dakota. We noticed the exhibits at this show were not as varied as those at North Platte. Here the exhibits were mostly crystals and fossils. Also the junior exhibits were missing. However, it, too, was an outstanding show. One of the special features was interpretative rock paintings by Phoebe Hein. She would cut a cab from picture jasper and then paint a picture using the same scene as the cab.

We met Mrs. Ruby Hill, our representative for the RMFMS. She told us she is resigning and that Bill Roberts, Rapid City, South Dakota, will be our new representative. Mrs. Hill did not attend the RMFMS meeting in June so our club was not represented at that meeting.

The high point of the Aberdeen show was meeting June Culp Zeitner. She is not the type person one would call "Mrs. Zeitner", but I wouldn't go so far as to call her "Junie Baby" as I heard one exhibitor do. She is an outstanding person, one who makes you feel at ease at once. Earle and I heard her lecture on "Quartz - The Biggest Gem Family". It was a very good lecture.

This show also did not have a swap table but that didn't stop us from trading the last of our North Dakota wood and roses for other materials.

We were pleasantly surprised to meet Ewald and Clara Muggli and children and Sally and Owen O'Neill in Aberdeen.

Heading home on the last leg of our journey, Earle and I agreed it had been a pleasant trip. We made many new friends and renewed old friendships. To Earle, traveling is a way of life. To me, once a year is plenty! Home never looked so good!

Blossomae and Earle Campbell

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CALENDAR OF EVENTS

Jan. 25-27	Apache Junction Rock & Gem Club.....	Mesa, Arizona
Feb. 8 -10	Tucson Gem & Mineral Society.....	Tucson, Arizona
June 7-9	RMFMS, Wyoming State Federation Show.....	Cheyenne, Wyo.
June 13-16	AFMS, Midwest Federation, Nebraska Assoc. Show.....	Lincoln, Nebr.
July 19-21	Winnepeg Rock & Mineral Club.....	Winnepeg, Man.

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SHOP HINTS

The best aluminum "pencils" are found in variety stores. They are the double-pointed knitting needles used for socks. Sharpen them on the grinding wheel, and they will last for ages, and they are simple to keep sharp. Just be sure that you do not buy those made of stainless steel.

Cold dop with Elmer's Glue. It is always ready and will dry enough to begin work in 30 to 40 minutes. It seldom lets loose, even on a rough wheel. The warmer the stone gets, the tighter it holds. When the stone is finished, just drop it all in water; leave it several hours, or overnight; remove the stone from the dop and wash the remaining glue from the stone. (Try it on opal or any delicate stone, or even agate).

From Emerald Gems via The Rock Vein

ROCK AND MINERAL PRONOUNCING VOCABULARY

Abrasive	uh-BRAY-sive	Chrysoberyl	KRISS-uh-beh-rill
Actinolite	ak-TIN-oh-lite	Chrysocolla	KRISS-uh-COLL-ah
Adamantine	ad-uh-MAN-teen	Chrysoprase	KRISS-o-praise
Agate	AG-it	Chrysotile	KRISS-o-till
Alabaster	al-uh-BASS-turr	Cinnabar	SIN-uh-bahr
Albite	AL-bite	Citrine	SIT-rin
Alexandrite	al-egg-ZAN-drite	Clarkeite	KLARK-ite
Almandite	AL-man-dite	Conchoidal	kong-KOY-duhl
Aluminum	al-LEW-min-um	Conglomerate	kan-GLOMM-urr-ite
Amber	AM-burr	Corundum	kuh-RUN-dum
Amethyst	Am-uh-thist	Covellite	ko-VELL-ite
Analcite	ah-NAL-site	Cristobalite	kriss-TOE-buh-lite
Andalusite	an-duh-LEW-site	Crocoite	KROW-koh-ite
Anglesite	ANG-luh-site	Cuprite	KEW-prite
Antimony	AN-ti-mony	Cyanite	KY-uh-nite
Apatite	AP-uh-tite		
Apophyllite	ap-POF-ih-lite	Dana	DAY-nuh
Aquamarine	ak-wah-muh-REEM	Datolite	DAT-oh-lite
Aragonite	uh-RAG-uh-nite	Pendrite	DEM-drite
Argentite	AR-jen-tite	Boscloizite	day-KLOY-zite
Arsenopyrite	AR-sen-oh-PIE-rite	Diabase	DI-ah-base
Asbestos	ass-BEST-us	Dinosaur	DY-nuh-sawr
Augite	AW-jite	Diorite	DY-or-ite
Aurichalcite	OR-ri-CAL-cite	Diopside	dy-OPP-side
Autunite	AW-tun-ite	Diopase	die-OPP-tase
Aventurine	ah-VEN-shur-in	Dodecahedral	DOH-deck-uh-hee-druhl
Azurite	AZH-uh-rite	Dolomite	DOLL-uh-mite
		Drusy Quartz	DROO-zi-KWARTZ
		Ductile	DUCK-till
		Dumortorite	du-MORE-ter-ite
Barite	BEAR-ite		
Basalt	buh-SALT	Emerald	EM-urr-uld
Bauxite	BAWK-site	Enargite	en-AR-jite
Benitoite	beh-NEE-toe-ite	Epidote	EPP-ih-dote
Beryl	BEH-rill	Erythrite	E-RITH-rite
Beryllium	beh-RILL-ee-um		
Biotite	BY-oh-tite	Feldspar	FELD-spahr
Breccia	BRETCH-ee-uh	Fluorescence	floo-uh-RESS-sence
Brucite	BREW-site	Fluorite	FLOO-uh-rite
		Fulgerite	FULG-your-rite
Cabochon	KAB-oh-shun		
Calcite	KAL-site	Galena	gaa-LEE-na
Calcium	KAL-see-um	Gangue	Gang
Calomine	KAL-ah-min	Garnet	GAHR-net
Calcareous	kal-KAY-ree-us	Gastrolith	GAS-truh-lite
Carnelian	car-NEEL-yun	Gentite	GENN-thite
Celestite	SELL-est-ite	Geode	GEE-ode
Cerussite	SEE-ruh-site	Glacier	GLAY-shur
Cervantite	sur-VAN-tite	Glauberite	GLOB-ur-rite
Chalcanthite	kal-KAN-thite	Gneiss	nice
Chalcedony	kal-SED-uh-nee	Goethite	GET-thite
Chalcocite	KAL-ko-site	Granite	GRANN-ite
Chalcopyrite	kal-ku-PIE-rite		
Chalcotrichite	kal-KOTT-rick-ite		
Chiastolite	ky-AS-toe-lite		

Graphite	GRAFF-ite	Pectolite	PECK-toh-lite
Gypsum	JIP-sum	Pegmatite	PEG-muh-tite
		Peridot	PERR-ih-dot
Halite	HAL-ite	Phosphate	FOSS-fate
Hematite	HEM-uh-tite	Phosphorescence	FOSS-fuh-RESS-ince
Heulandite	HEW-land-ite	Platinum	PLATT-ih-num
Hexagonal	hecks-AG-uh-null	Plutonic	plew-TONN-ick
Hyalite	HY-uh-lite	Pisolite	PIE-so-lite
		Potassium:	po-TASS-ee-um
Igneous	IG-nee-us	Prehnite	PRAY-nite
Illmenite	ILL-men-ite	Prousite	PROOS-ite
Isometric	eye-so-MET-trick	Pseudowavellite	SUE-doh-WAY-vell-ite
Itacolumite	IT-uh-COLL-you-mite	Psilomelane	sill-LOM-uh-lane
		Pumice	PUMM-iss
		Pyrite	PIE-rite
		Pyrolusite	PIE-ro-LEW-site
Kyanite	KY-uh-nite		
		Quartz	KWORTZ
Lapis Lazuli	LAP-iss LASS-you-lee	Quartzite	KWORTZ-ite
Lava	LAH-vah		
Lepidolite	luh-PID-uh-lite		
Limonite	LY-muh-nite	Realgar	ree-AL-gurr
Luminescence	low-muh-NESS-ence	Resinous	REE-uh-nuhos
		Rhodocrosite	ROE-doe-KROW-site
Magnesium	mag-NEE-shee-um	Rhodonite	ROE-doe-nite
Malachite	MAL-uh-kite	Rhombohedral	romm-buh-HEE-drul
Malleable	MAL-lee-uh-bul	Rholite	RYE-o-lite
Magnapatite	mang-gen-AP-uh-tite	Rosolite	ROZ-oh-lite
Manganese	Mang-uh-NEEZ	Rouge	roozh
Marcasite	MAR-kuh-site	Rubellite	rew-BELL-ite
Metamorphic	met-uh-MORE-fick	Rutile	ROO-teel
Meteorite	MEE-tee-uh-rite	Rutilated	ROO-till-late-ed
Mica-schist	My-kuh-shist		
Microcline	My-kro-kline	Sagenite	SAJ-eh-nite
Mimetite	Mim-eh-tite	Sapphire	SAFF-ire
Mispickel	Mis-PIK-el	Selenite	SELL-eh-nite
Molybdenum	mol-LIB-duh-num	Serpentine	SIR-pen-tin
Muscovite	MUSS-koh-vite	Siderite	SID-ur-rite
		Siliceous	sil-LISH-us
Natrolite	NAT-ro-lite	Sillimanite	SILL-uh-man-ite
Nepheline	NEFF-uh-lin	Silicate	SIL-ih-kate
Niccolite	NICK-oh-lite	Smithsonite	SMITH-son-ite
Nitrate	NIGH-trate	Sodalite	SC-duh-lite
Novaculite	noh-VACK-you-lite	Spathic Iron	SPATH-ik
		Sphalerite	SFAL-uh-rite
Obsidian	ob-SIDD-ee-un	Spinel	spin-NELL
Ocher	O-ker	Spodumene	SPOD-you-meen
Octahedron	Ock-tuh-HEE-dron	Stalactite	Stuh-LACK-tite
Olivine	OLL-uh-veen	Stalagmite	stuh-LAG-mite
Olivinite	OLL-uh-ve-nite	Staurolite	STAWR-uh-lite
Orpiment	OR-pim-ent	Steatite	STE-ah-tite
Orthorhombic	or-thuh-ROMM-bick	Stephanite	STEFF-uh-nite
Onyx	ON-iks	Stibnite	STIB-nite
Oxide	OCK-side	Stilbite	STILL-bite
		Strontianite	STRON-shi-an-ite

Syenite	SY-eh-nite	Vanadanite	van-AD-in-ite
Sylvanite	SILL-vane-nite	Vanadium	van-NAY-dee-um
Synthetic	sin-THET-ick	Variscite	VAR-ih-site
		Verd-antique	verd-an-TEEK
		Vitreous	VITT-ree-us
Tantalite	TAN-tuh-lite		
Tetragonal	tah-TRAG-uh-nal	Wavellite	WAY-vell-ite
Tetrahedrite	TET-ruh-HEE-drite	Wernerite	WER-ner-ite
Thulite	THEW-lite	Willemite	WILL-em-ite
Titanium	Ty-TAY-nee-um	Witherite	WITH-er-ite
Topaz	TOE-pazz	Wolframite	WOOL-fram-ite
Torbernite	TAWR-burn-ite	Wulfenite	WOOL-fen-ite
Tourmaline	Toor-muh-lin		
Trachyte	TRAK-ite		
Travertine	TRAV-er-tin		
Tremolite	TREM-oh-lite	Zeolite	ZEE-oh-lite
Trona	TROE-naw	Zincite	ZINK-ite
Troostite	TROOS-tite	Zircon	ZER-con
Turquoise	TURR-koyz		
Ulexite	YOU-leck-site		
Unakite	YOU-naw-kite		
Uraninite	you-RAN-ih-nite		
Uranophane	you-RAN-oh-fan		
Uvarovite	oo-VAR-oh-vite		

This pronouncing vocabulary was taken
from list printed by Hurlbut's Agate
Shop, Muscatine, Iowa;
via AFMS Newsletter, October, 1973

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The son of a rockhound was asked to write about the human body in his hygiene class. He wrote:

Our body is divided into three parts, the brainium, the borax and the abominable cavity. The brainium contains the brain, if any. The borax contains the lungs, lights, and heart. The abominable cavity contains the bowels, of which there are five: a, e, i, o, u.

Austin Hearlad
via The Pseudomorph
via Sooner Rockologist

The rocking chair was invented for the man who doesn't need to work, can't sit still and likes to make a noise.

Women will never be men's equal until they can spot a bald spot on top of their heads, and still think they are handsome.

The driver is safer when the roads are dry, the roads are safer when the driver is dry.

The average girl would rather have beauty than brains, because she knows that the average man can see better than he can think.